

TOP SECRET

22 DEC 2004

1/6

## PCT REQUEST

54-015-002

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

|         |   |  |
|---------|---|--|
| 0       | For receiving Office use only<br>International Application No.  |  |
| 0-2     | International Filing Date   |  |
| 0-3     | Name of receiving Office and "PCT International Application"  |  |
| 0-4     | Form - PCT/RO/101 PCT Request<br>Prepared using   | <b>PCT-EASY Version 2.92<br/>(updated 01.01.2003)</b>  |
| 0-5     | Petition<br><br>The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty |  |
| 0-6     | Receiving Office (specified by the applicant)   | <b>United States Patent and Trademark Office (USPTO) (RO/US)</b>   |
| 0-7     | Applicant's or agent's file reference   | <b>54-015-002</b>  |
| I       | Title of invention  | <b>THERMAL INTERCONNECT AND INTERFACE SYSTEMS, METHODS OF PRODUCTION AND USES THEREOF</b>  |
| II      | Applicant<br><br>This person is:<br><br>II-2 Applicant for<br>II-4 Name<br>II-5 Address:  | <b>applicant only<br/>all designated States except US<br/>HONEYWELL INTERNATIONAL INC.<br/>PO Box 2245<br/>101 Columbia Road<br/>Morristown, NJ 07962<br/>United States of America</b> |
| II-6    | State of nationality  | <b>US</b>  |
| II-7    | State of residence  | <b>US</b>  |
| II-8    | Telephone No.   | <b>973-455-2000</b>  |
| II-9    | Facsimile No.   | <b>973-455-4807</b>  |
| III-1   | Applicant and/or Inventor<br><br>III-1-1 This person is:<br>III-1-2 Applicant for<br>III-1-4 Name (LAST, First)<br>III-1-5 Address:         | <b>applicant and inventor<br/>US only<br/>DEAN, Nancy<br/>HONEYWELL INTERNATIONAL INC.<br/>PO Box 2245<br/>101 Columbia Road<br/>Morristown, NJ 07962<br/>United States of America</b> |
| III-1-6 | State of nationality  | <b>US</b>  |
| III-1-7 | State of residence  | <b>US</b>  |

**PCT REQUEST**

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

|         |                           |   |
|---------|---------------------------|---|
| III-2   | Applicant and/or inventor |   |
| III-2-1 | This person is:           | <b>applicant and inventor</b>   |
| III-2-2 | Applicant for             | <b>US only</b>  |
| III-2-4 | Name (LAST, First)        | <b>KNOLL, Paula</b>   |
| III-2-5 | Address:                  | <b>HONEYWELL INTERNATIONAL INC.<br/>PO Box 2245<br/>101 Columbia Road<br/>Morristown, NJ 07962<br/>United States of America</b> |
| III-2-6 | State of nationality      | <b>US</b>   |
| III-2-7 | State of residence        | <b>US</b>   |
| III-3   | Applicant and/or inventor |   |
| III-3-1 | This person is:           | <b>applicant and inventor</b>   |
| III-3-2 | Applicant for             | <b>US only</b>  |
| III-3-4 | Name (LAST, First)        | <b>TOWNSEND, Robert</b>   |
| III-3-5 | Address:                  | <b>HONEYWELL INTERNATIONAL INC.<br/>PO Box 2245<br/>101 Columbia Road<br/>Morristown, NJ 07962<br/>United States of America</b> |
| III-3-6 | State of nationality      | <b>US</b>   |
| III-3-7 | State of residence        | <b>US</b>   |
| III-4   | Applicant and/or inventor |   |
| III-4-1 | This person is:           | <b>applicant and inventor</b>   |
| III-4-2 | Applicant for             | <b>US only</b>  |
| III-4-4 | Name (LAST, First)        | <b>NGUYEN, MY</b>   |
| III-4-5 | Address:                  | <b>HONEYWELL INTERNATIONAL INC.<br/>PO Box 2245<br/>101 Columbia Road<br/>Morristown, NJ 07962<br/>United States of America</b> |
| III-4-6 | State of nationality      | <b>US</b>   |
| III-4-7 | State of residence        | <b>US</b>   |
| III-5   | Applicant and/or inventor |   |
| III-5-1 | This person is:           | <b>applicant and inventor</b>   |
| III-5-2 | Applicant for             | <b>US only</b>  |
| III-5-4 | Name (LAST, First)        | <b>EDIE, Colin</b>  |
| III-5-5 | Address:                  | <b>HONEYWELL INTERNATIONAL INC.<br/>PO Box 2245<br/>101 Columbia Road<br/>Morristown, NJ 07962<br/>United States of America</b> |
| III-5-6 | State of nationality      | <b>US</b>   |
| III-5-7 | State of residence        | <b>US</b>   |

**PCT REQUEST**

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

|         |  |  |
|---------|--|--|
| III-6   | <b>Applicant and/or inventor</b>   |  |
| III-6-1 | This person is:  |  |
| III-6-2 | Applicant for  |  |
| III-6-4 | Name (LAST, First)   |  |
| III-6-5 | Address:   |  |
| III-6-6 | State of nationality   |  |
| III-6-7 | State of residence   |  |
| IV-1    | <b>Agent or common representative; or address for correspondence</b><br>The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: |  |
| IV-1-1  | Name (LAST, First)   |  |
| IV-1-2  | Address:   |  |
| IV-1-3  | Telephone No.  |  |
| IV-1-4  | Facsimile No.  |  |
| IV-1-5  | e-mail   |  |
| IV-1-5  | Agent's registration No.   |  |
| V       | <b>Designation of States</b>   |  |
| V-1     | Regional Patent<br>(other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)  |  |

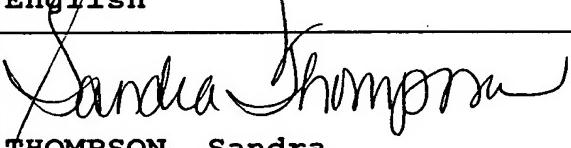
**PCT REQUEST**

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

|        |   |   |
|--------|---|---|
| V-2    | National Patent<br>(other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)   | <b>AE AG AL AM AT (patent and utility model) AU AZ BA BB BG BR BY BZ CA CH&amp;LI CN CO CR CU CZ (patent and utility model) DE (patent and utility model) DK (patent and utility model) DM DZ EC EE (patent and utility model) ES FI (patent and utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK (patent and utility model) SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</b> |
| V-3    | National Patent (States which have become party to the PCT after the issuance of this version of EASY)  | <b>ALL</b>  |
| V-5    | <b>Precautionary Designation Statement</b><br><br>In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. |   |
| V-6    | <b>Exclusion(s) from precautionary designations</b>   | <b>NONE</b>   |
| VI-1   | <b>Priority claim of earlier national application</b>   |   |
| VI-1-1 | Filing date   | <b>15 July 2002 (15.07.2002)</b>  |
| VI-1-2 | Number  | <b>60/396,294</b>   |
| VI-1-3 | Country   | <b>US</b>   |
| VI-2   | <b>Priority document request</b><br><br>The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):   | <b>VI-1</b>   |
| VII-1  | <b>International Searching Authority Chosen</b>   | <b>United States Patent and Trademark Office (USPTO) (ISA/US)</b>   |

**PCT REQUEST**

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

|             |  |  |                                    |
|-------------|--|--|------------------------------------|
| <b>VIII</b> | <b>Declarations</b>  | <b>Number of declarations</b>  |                                    |
| VIII-1      | Declaration as to the identity of the inventor   | -  |                                    |
| VIII-2      | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent             | -  |                                    |
| VIII-3      | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | -  |                                    |
| VIII-4      | Declaration of inventorship (only for the purposes of the designation of the United States of America)                               | -  |                                    |
| VIII-5      | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | -  |                                    |
| <b>IX</b>   | <b>Check list</b>  | <b>number of sheets</b>  | <b>electronic file(s) attached</b> |
| IX-1        | Request (including declaration sheets)   | 6  | -                                  |
| IX-2        | Description  | 31   | -                                  |
| IX-3        | Claims   | 5  | -                                  |
| IX-4        | Abstract   | 1  | EZABST00.TXT                       |
| IX-5        | Drawings   | 0  | -                                  |
| IX-7        | <b>TOTAL</b>   | <b>43</b>  |                                    |
|             | <b>Accompanying items</b>  | <b>paper document(s) attached</b>  | <b>electronic file(s) attached</b> |
| IX-8        | Fee calculation sheet  | ✓  | -                                  |
| IX-17       | PCT-EASY diskette  | -  | Diskette                           |
| IX-19       | Figure of the drawings which should accompany the abstract   |  |                                    |
| IX-20       | Language of filing of the international application  | English  |                                    |
| X-1         | Signature of applicant, agent or common representative   |  |                                    |
| X-1-1       | Name (LAST, First)   | THOMPSON, Sandra   |                                    |

**FOR RECEIVING OFFICE USE ONLY**

|        |   |        |
|--------|---|--------|
| 10-1   | Date of actual receipt of the purported International application   |        |
| 10-2   | Drawings:   |        |
| 10-2-1 | Received  |        |
| 10-2-2 | Not received  |        |
| 10-3   | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported International application |        |
| 10-4   | Date of timely receipt of the required corrections under PCT Article 11(2)  |        |
| 10-5   | International Searching Authority   | ISA/US |
| 10-6   | Transmittal of search copy delayed until search fee is paid   |        |

**PCT REQUEST**

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

**FOR INTERNATIONAL BUREAU USE ONLY**

|      |   |
|------|---|
| 11-1 | Date of receipt of the record copy by<br>the International Bureau |
|------|---|

## PCT (ANNEX - FEE CALCULATION SHEET)

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

(This sheet is not part of and does not count as a sheet of the international application)

|         |   |  |                        |  |
|---------|---|--|------------------------|--|
| 0       | For receiving Office use only<br>International Application No.                                      |  |                        |  |
| 0-2     | Date stamp of the receiving Office  |  |                        |  |
| 0-4     | Form - PCT/RO/101 (Annex)<br>PCT Fee Calculation Sheet<br>Prepared using                            | <b>PCT-EASY Version 2.92<br/>(updated 01.01.2003)</b>                |                        |  |
| 0-9     | Applicant's or agent's file reference   | <b>54-015-002</b>  |                        |  |
| 2       | Applicant   | <b>HONEYWELL INTERNATIONAL INC., et al.</b>                          |                        |  |
| 12      | Calculation of prescribed fees  | fee amount/multiplier  | Total amounts (USD)    |  |
| 12-1    | Transmittal fee T   | ⇒  | <b>240</b>             |  |
| 12-2-1  | Search fee S  | ⇒  | <b>700</b>             |  |
| 12-2-2  | International search to be carried out by   | <b>US</b>  |                        |  |
| 12-3    | International fee   |  |                        |  |
|         | Basic fee<br>(first 30 sheets)  | b1   | <b>407</b>             |  |
| 12-4    | Remaining sheets  | <b>13</b>  |                        |  |
| 12-5    | Additional amount (X)   | <b>9</b>   |                        |  |
| 12-6    | Total additional amount b2  | <b>117</b>   |                        |  |
| 12-7    | b1 + b2 = B   | <b>524</b>   |                        |  |
| 12-8    | Designation fees  |  |                        |  |
|         | Number of designations contained in international application                                       | <b>96</b>  |                        |  |
| 12-9    | Number of designation fees payable (maximum 5)  | <b>5</b>   |                        |  |
| 12-10   | Amount of designation fee (X)   | <b>88</b>  |                        |  |
| 12-11   | Total designation fees D  | <b>440</b>   |                        |  |
| 12-12   | PCT-EASY fee reduction R  | <b>-125</b>  |                        |  |
| 12-13   | Total International fee (B+D-R) I   | ⇒  | <b>839</b>             |  |
| 12-14   | Fee for priority document   |  |                        |  |
|         | Number of priority documents requested  | <b>1</b>   |                        |  |
| 12-15   | Fee per document (X)  | <b>20</b>  |                        |  |
| 12-16   | Total priority document fee P   | ⇒  | <b>20</b>              |  |
| 12-17   | <b>TOTAL FEES PAYABLE (T+S+I+P)</b>   | ⇒  | <b>1,799</b>           |  |
| 12-19   | Mode of payment   | <b>authorization to charge deposit account</b>                       |                        |  |
| 12-20   | Deposit account instructions<br>The receiving Office:   | <b>United States Patent and Trademark<br/>Office (USPTO) (RO/US)</b> |                        |  |
| 12-20-1 | Authorization to charge the total fees indicated above.   | ✓  | <i>Sandie Thompson</i> |  |
| 12-20-2 | Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. | ✓  | <i>Sandie Thompson</i> |  |
| 12-20-3 | Authorization to charge the fee for priority document.  | ✓  | <i>Sandie Thompson</i> |  |
| 12-21   | Deposit account No.   | <b>502518</b>  |                        |  |

## PCT (ANNEX - FEE CALCULATION SHEET)

Original (for SUBMISSION) - printed on 15.07.2003 10:44:55 AM

54-015-002

|       |                    |  |
|-------|--------------------|--|
| 12-22 | Date               | 15 July 2003 (15.07.2003)                  |
| 12-23 | Name and signature | THOMPSON, Sandra<br><i>Sandra Thompson</i> |

## VALIDATION LOG AND REMARKS

|        |                              |   |
|--------|------------------------------|---|
| 13-2-2 | Validation messages States   | Yellow!<br>Additional national designation added:<br>Obtain updated maintenance tables rather than using this field.  |
| 13-2-7 | Validation messages Contents | Yellow!<br>The power of attorney or a copy of the general power of attorney will need to be furnished unless all applicants sign the request form.  |
|        |                              | Green?<br>The abstract appears to be more than 150 words, applicant is reminded that it should be as concise as the disclosure permits (preferably 50 to 150 words if it is in English or when translated into English) |
|        |                              | Green?<br>The international application contains no drawings. Please verify.  |
| 13-2-8 | Validation messages Fees     | Green?<br>Please confirm that fee schedule utilized is the latest available   |
| 13-2-9 | Validation messages Payment  | Green?<br>Please ensure that you have a valid deposit account with the receiving Office selected.   |